

# Simulation studies for the Mini-EUSO detector

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In this contribution we show an overview of the simulation activities for the Mini-EUSO detector with ESAF

The Mini-EUSO detector is one of the first detectors of the JEM-EUSO program to fly in space

We present:

- Our estimation of the geometrical aperture of the Mini-EUSO detector for cosmic rays
- The simulation activities to analyze meteor data
- The simulations for ground based transient sources
- The calibration efforts with the ground flashers
- Simulations to estimate the performance of Mini-EUSO as a space debris detector